

# INTERNATIONAL SEARCH REPORT

PCT/GB2004/004687

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G06T7/20

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G06T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SANGHO PARK ET AL: "Segmentation and tracking of interacting human body parts under occlusion and shadowing" MOTION AND VIDEO COMPUTING, 2002. PROCEEDINGS. WORKSHOP ON 5-6 DEC. 2002, PISCATAWAY, NJ, USA, IEEE, 5 December 2002 (2002-12-05), pages 105-111, XP010628788 ISBN: 0-7695-1860-5 * abstract, sections IV-VI *	1-4, 12-15,17
Y	----- -----	5,8,11, 18,21,24

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the international search

6 September 2005

Date of mailing of the international search report

13/10/2005

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

PCT/GB2004/00468/

## C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SATO K ET AL: "Tracking and recognizing two-person interactions in outdoor image sequences" MULTI-OBJECT TRACKING, 2001. PROCEEDINGS. 2001 IEEE WORKSHOP ON JULY 8, 2001, PISCATAWAY, NJ, USA, IEEE, 2001, pages 87-94, XP010554358 ISBN: 0-7695-1171-6 * abstract, section 3, section 6 *	1-4, 12-15,17
Y	MARCENARO L ET AL: "Multiple object tracking under heavy occlusions by using kalman filters based on shape matching" PROCEEDINGS 2002 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. ICIP 2002. ROCHESTER, NY, SEPT. 22 - 25, 2002, INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, NEW YORK, NY : IEEE, US, vol. VOL. 2 OF 3, 22 September 2002 (2002-09-22), pages 341-344, XP010607724 ISBN: 0-7803-7622-6 * abstract, sections 2, 4, 5 *	5,8,11, 18,21,24
Y	SENIOR A, HAMPAPUR A, TIAN Y L, BROWN L, PANKANTI S, BOLLE R: "Appearance Models for Occlusion Handling" PROCEEDINGS 2ND IEEE INTL. WORKSHOP ON PERFORMANCE EVALUATION OF TRACKING AND SURVEILLANCE (PETS) IN CONJUNCTION WITH CVPR'01, HAWAII, USA, 9 December 2001 (2001-12-09), pages 1-8, XP002343565 * abstract, sections 3-6, Figs. 1, 2 *	8,11,21, 24
Y	CAPELLADES M B ET AL: "An appearance based approach for human and object tracing" PROCEEDINGS 2003 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. ICIP-2003. BARCELONA, SPAIN, SEPT. 14 - 17, 2003, INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, NEW YORK, NY : IEEE, US, vol. VOL. 2 OF 3, 14 September 2003 (2003-09-14), pages 85-88, XP010669829 ISBN: 0-7803-7750-8 * abstract, sections 2.1-2.3, 3.1 *	8,11,21, 24